

In the Specification:

Please delete the heading at page 1, above line 1.

Please add a new heading at page 1, above line 1, as follows:

TITLE OF THE INVENTION

Please replace the Title at page 1, lines 1 to 2, with a replacement Title amended as follows:

Arrangement for ~~Detecting~~ Detection of a Shaft Break in a
Gas Turbine ~~[[and a]]~~ as well as Gas Turbine

Please add a new heading at page 1, above line 3, as follows:

FIELD OF THE INVENTION

Please add a new heading at page 1, above line 6, as follows:

BACKGROUND INFORMATION

Please add a new heading at page 2, above line 18, as follows:

SUMMARY OF THE INVENTION

Please replace the paragraph at page 2, line 21 to page 3, line 10, with a replacement paragraph amended as follows:

This problem has been solved by an arrangement for detecting a shaft break in a gas turbine according to ~~patent claim 1.~~ the present invention. According to the invention, an arrangement is suggested for detecting a

shaft break at a rotor of a first turbine particularly a medium pressure turbine of a gas turbine, particularly of an aircraft engine whereby a second turbine, particularly a low pressure turbine, is positioned downstream of the first turbine, with an operator element positioned between the rotor of the first turbine and a stator of the second turbine radially inwardly relative to a flow channel, and with a sensor element guided in the stator of the second turbine in order to convert a shaft break detected by the radially inwardly positioned operator element, into an electrical signal and to transmit this electrical signal to a switching element which is positioned radially outwardly relative to the flow channel on a housing of the gas turbine.

Please replace the paragraph at page 4, lines 18 to 19, with a replacement paragraph amended as follows:

The invention further provides a gas turbine according to the invention is defined in the independent patent claim 9. having a shaft break detection arrangement as disclosed herein.

Please add a new heading at page 4, above line 20, as follows:

BRIEF DESCRIPTION OF THE DRAWING

Please replace the paragraph at page 4, lines 20 to 23, with a replacement paragraph amended as follows:

~~Preferred embodiments of the invention are defined by the dependent claims and In the following description. An description, an~~ example embodiment of the invention is described in more detail with reference to the drawing without being limited thereto. Thereby

Please add a new heading at page 5, above line 5, as follows:

DETAILED DESCRIPTION OF AN EXAMPLE EMBODIMENT OF THE INVENTION

Please replace the paragraph at page 6, lines 4 to 22, with a replacement paragraph amended as follows:

As mentioned, in such gas turbines which comprise three turbines and three compressors, the rotors of the high pressure turbine and of the high pressure compressor are interconnected, the rotors of the medium pressure turbine and of the medium pressure compressor are interconnected, and the rotors of the low pressure turbine and of the low pressure compressor are interconnected respectively by a shaft. Thereby, the three shafts are arranged concentrically to enclose one another and thus are nested one within the other. ~~According to the present invention, to provide~~ The present invention provides an arrangement for ~~[[the]]~~ detecting ~~[[of]]~~ a shaft break in a gas turbine, which arrangement is particularly suitable for detecting a shaft break of the shaft ~~[[which]]~~ that interconnects the rotor of the medium pressure turbine with the rotor of the medium pressure compressor. When this

shaft breaks, the medium pressure compressor can no longer take off work or power from the medium pressure turbine which leads to racing of the medium pressure turbine. Such racing of the turbine can lead to severe damages to the aircraft engine. Therefore, such a shaft break must be detected with certainty.

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